

E7.3-11004

CR-133787

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

SKYLAB

- A. Organization: Mackay School of Mines
University of Nevada
Reno, Nevada 89502
Phone 702-784-6618
- B. Investigation Title: The Great Basin Investigation
- C. Period Covered by the Report: Monthly Progress Report for August 1973
- D. ERAP Investigation Number: #357
- E. NASA Contract Number: 9-13274
- F. Principal Investigator: Jack G. Quade
- G. Date the Report was Written: September 10, 1973
- H. NASA Technical Monitor: Martin Miller TF6
Johnson Space Center
Earth Observation Division
Houston, Texas 77058
Phone 713-483-6451

(E73-11004) THE GREAT BASIN
INVESTIGATION Monthly Progress Report,
Aug. 1973 (Nevada Univ.) 2 p HC \$3.00

N73-31309

CSCL 05B

Unclas

G3/13 01004

I. Overall Status:

1. The August 11th overflight of Skylab along track 6 was made during near perfect weather conditions from one end of the state to the other. None of the stations along the ground track reported clouds. The horizontal visibility exceeded fifty miles from all stations. The flight was made concurrently with an RB-57 although the aircraft was flying on behalf of Dr. Lyon of Stanford University.

2. The University of Nevada and Stanford had ground crews monitoring temperatures of Lakes and Playas, collecting soil moisture samples and taking spectral data. Boats and low elevation aircraft were employed as well as fixed stations in the data collecting process.

3. On August 29th an RB-57 mission was flown and monitored by ground stations in the vicinity of Tonopah and Goldfield, Nevada. The sixteen hundred miles flown, completed the coverage missed during the June 5, 1973 overflight and was flown in ideal weather conditions. The area was also the same as that covered by the August 11 flight of Skylab.

J. Expected Accomplishments for the Next Reporting Period:

1. Reduce ground data collected during aircraft and skylab overflights.

2. Submit supplemental data request for selected S-190 frames taken during SL-2. We need negatives from which to make prints to establish the correct scales to be used for specific geologic work. We should know this information before we do anything with color. These same general statements apply to S-190B and S-192 data when they become available.

3. Plans to support skylab and NASA 926 on the 13th and 18th of September, along track 59 will be implemented in conjunction with Stanford University.

4. After SL-3 and before the aircraft and skylab data are delivered we plan a two-week field efforts around October 1st, to look at geothermal areas with groundbased microwave systems as part of a contract with the Jet Propulsion Laboratory and MSC.

K. Significant Results:

1. The near perfect atmospheric conditions over Nevada during the August 11th skylab flight and the August 29th RB-57 flight provided an excellent opportunity to accomplish the mission objectives.

L. Travel Summary and Plans:

1. Some field work along aircraft and SL-3 ground tracks.

2. A trip to Stanford to calibrate the Isco Spectraradiometer.